



FOR FACILITY USE ONLY

Staff Name: _____

Training Date: _____

Trainer: _____

INTENDED USE AND GUIDELINES

Intended Use

1. CER OPTIMA Endoscope Reprocessor - High-level disinfection of flexible immersible endoscopes	
2. Operator Safety Overview - appropriate PPE: mask, gown, gloves, eye protection	

Guidelines for Reliable Disinfection

1. Detergent solution - Used at bedside cleaning, during manual endoscope cleaning, and optionally in CER OPTIMA Wash cycle. Detergent must be low-foaming, free-rinsing, neutral pH and diluted per manufacturer's recommendation.	
2. Disinfectant solution - Used to high-level disinfect endoscopes or accessories during reprocessing cycle	
3. Olympus®, Pentax®, Fujinon®, Storz®, Richard Wolf® - Endoscope cleaning and disinfection guidelines	
4. SGNA, ASGE, ASTM, APIC and AORN - Endoscope cleaning and disinfection guidelines	
5. SGNA approved reprocessing steps - Endoscope bedside pre-cleaning, leak testing, manual cleaning, high-level disinfection, final drying and storage standards and guidelines	
6. Medivators Instructions for Use, In-service Packet, Website and Hookup-Lookup Guide	

PRODUCT FAMILIARIZATION

Endoscope Reprocessor Components and their Functions

1. CER OPTIMA Front Panel: Control panel (touchpads and LED indicators), visual display (operator messages, cycle status and alarms), printer and alcohol compartment	
2. CER OPTIMA Basin: Lid and lid locks, fluid level sensor, drain screen and drain cover, channel connectors, endoscope hookups, and accessory bag	
3. CER OPTIMA Side Panel: Power Cord electrical connection, On/Off power switch and barcode reader	
4. CER OPTIMA Rear Panel: Air Filter, Water Inlet, Chemical Inlet, Chemical return, Drain, Barcode and Data connections	
5. Disinfectant Reservoir: Tubing, replaceable HLD filter, AC power, temperature control, display, and thermometer	
6. Water Filtration System: 1.0 micron pre-filter and 0.2 micron absolute bacterial retentive filter	
7. CER OPTIMA Installation: Countertop or Cart mounting	
8. Transfer Pump (recommended)	
9. Active Vapor Management System (if applicable)	

Fluids

1. High-Level Disinfectant (HLD) - Rapicide® HLD, OPA or Glutaraldehyde	
2. Detergent (optional) - Recommended detergent is Medivators Intercept®	
3. Alcohol (70% isopropyl) - Used for drying inside of endoscope channels	
4. Disinfectant Test Strips - Used to test the high-level disinfectant MRC prior to each reprocessing cycle	

FLUID LOADING AND UNLOADING

1. Amount of HLD disinfectant required: CER-1 OPTIMA = 4 gallons; CER-2 OPTIMA = 5 gallons	
2. Loading and unloading disinfectant reservoir using Transfer Pump	
3. Loading and unloading disinfectant reservoir using manual BASIN to RSVR method	
4. Unloading disinfectant reservoir using manual HLD to DRAIN method	
5. Setting/Adjusting disinfectant reservoir temperature (+4°C for heated HLD) and reading reservoir thermometer	
6. Disinfectant neutralization and disposal (Medi-Newt and Neutra-Hyde optional)	
7. Cleaning/ wiping out the disinfectant reservoir	
8. Alcohol reservoir: Filling and emptying	

OPERATOR CONTROLS

Control Panel

1. Automatic Operaton: FULL Cycle	
2. Automatic Operation: HLD/Rinse Cycle	
3. WASH Setting: CER-1 OPTIMA = 2, 3, or 5 minutes, CER-2 OPTIMA = 3 or 5 minutes	

OPERATOR CONTROLS - *continued*

4. AIR Setting: 0, 3, 5 or 10 minutes	
5. ALCOHOL Setting: CER-1 OPTIMA = 0, 30 or 60cc's, CER-2 OPTIMA = 0, 30, 60 or 120cc's	
6. Manual Operation: BASIN to RSVR	
7. Manual Operation: HLD to Drain	
8. Manual Operation: RSVR to Drain	
9. Manual Operation: BASIN to DRAIN	
10. Manual Operation: WASH, AIR and/or ALCOHOL	
11. Touchpad LED status/blinking	
12. START/STOP Cycle Control	
13. Alarm Reset: HLD or Water Level Errors; Pressing touchpad resets CER to ready state condition	
14. PRINT: Auto 1, Auto 2 or Manual	
15. LCD Display Screen: Date, Time HLD cycle count, Selected cycle and settings, HLD type, Time remaining and Cycle phase	
16. User Menu via arrow keys: Date/time, Print options, Endoscope, Operator, Physician and Patient IDs, HLD MRC check, HLD cycle count reset, Factory defaults and Service Menu	

SYSTEM OPERATION

System Setup

- Barcode tag all endoscopes, operators and physicians, and record on the supplied In-Service Lists.

Start-up

- Verify power is on

Daily Service

- Perform Daily Quality Assurance Procedure
- Water Supply Valve: Start of day "ON"
- Check drain screen for debris; clean and replace if needed
- Water Flow Verification: 100cc's (4 oz) in less than 15 seconds through each hookup port
- Air Flow Verification: Confirm vigorous bubbling from each hookup port
- Verify disinfectant level in reservoir
- Check disinfectant reservoir temperature (+4°C higher in reservoir when using heated disinfectant)
- Check HLD expiration date, temperature and disinfectant MRC using test strips
- Check alcohol bottle level; replace or add if low
- Check printer paper; replace if low
- Check Air, Disinfectant, and Water filters; confirm replacement at recommended intervals per Filter Log
- Inspect hookups for wear; replace if worn or damaged

Prepare Endoscope for Reprocessing

- Place endoscope in basin with control wheels up in lower right corner, and light guide in the back middle
- Locate proper hookup and connect hookup to endoscope ports and basin connection
- Load second endoscope with control wheels down in right rear of basin, and connect appropriate hookup
- Place accessory bag into basin away from drain, and under endoscope coil

Endoscope Reprocessing Cycle Summary

- Wash Phase (FULL cycle only)
- Rinse Phase
- Disinfection Phase
- Rinse Phase (2 if using Rapicide or Glutaraldehyde, 3 if using OPA)
- Air Purge Phase
- Alcohol and Air flush Phase

SYSTEM OPERATION

Run the Reprocessing Cycle

1. Cycle Selection: Automatic FULL or HLD/RINSE	
2. Confirm Parameter Settings: WASH, AIR and ALCOHOL	
3. Close CER OPTIMA lid and secure using lid locks	
4. Push START to begin cycle	
5. Scan ID data for endoscope, operator, physician and patient.	
6. Enter result of HLD MRC Check	

Complete the Reprocessing Cycle

1. Near cycle end, audible tone sounds to scan operator's ID badge	
2. Cycle Completed displayed, tone sounds, and auto-printout generated	
3. Open lid and confirm hookups remained attached during cycle; repeat if any detached.	
4. Disconnect hookup and remove endoscope	
5. Record Endoscope Cycle completion in Log	

End of Day Shutdown

1. Close Water Supply Valve: End of Day "OFF"	
2. Wipe out basin using lint-free cloth. Clean outer surfaces using mild detergent solution or EPA-registered sanitizer	

MAINTENANCE

Weekly Maintenance

1. Clean CER OPTIMA reprocessor and basin (use lint-free cloth)	
2. Inspect CER OPTIMA reprocessor and hookup components for wear and tear	
3. Lubricate O-rings with silicone oil	

Monthly (as specified)

1. Disinfectant Filter (replace at time of HLD disinfectant change)	
2. Air Filter (replace every 3 months)	
3. 1.0 micron water pre-filter (replace every 3 months or if below 40 PSI)	
4. 0.2 micron absolute bacterial-retentive filter (replace every 6 months or if below 40 PSI)	
5. Filter Sanitization: Upon 0.2 micron filter replacement	
6. Active Vapor Management System (if applicable): Replace vapor filter every 6 months	

TROUBLESHOOTING

Troubleshooting

1. Review troubleshooting Guide in CER OPTIMA User Manual	
2. Service Contract Coverage and Loaner Repair Program	

Medivators Website "Resource Center"

Go to: www.minntech.com/medivators, Select "Resource Center" and "User Library" for detailed user guides and hookup matrices, report forms and logs, and product bulletins

Medivators Customer and Technical Support Toll Free: Phone: 1-800-444-4729 • FAX: 1-866-421-7696